

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022937.D
 Acq On : 03 Jul 2025 13:03
 Operator : SY/MD
 Sample : Q2458-09
 Misc : 7.23g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-59

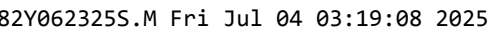
Quant Time: Jul 04 03:18:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

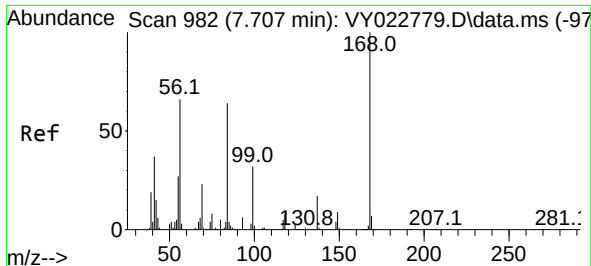
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	268585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	499539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	495456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	213523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	161010	53.712	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.420%	
35) Dibromofluoromethane	7.634	113	157764	51.931	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.860%	
50) Toluene-d8	10.103	98	621695	51.571	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.140%	
62) 4-Bromofluorobenzene	12.402	95	216375	55.834	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.660%	
Target Compounds						
					Qvalue	
13) Acrolein	3.659	56	424	1.569	ug/l #	14
16) Acetone	3.873	43	46020	81.224	ug/l	97
17) Carbon Disulfide	4.104	76	18098	2.061	ug/l	99
20) Methylene Chloride	4.610	84	12233	3.419	ug/l	94
25) 2-Butanone	6.890	43	12916	15.663	ug/l	93
31) Cyclohexane	7.701	56	11878	2.307	ug/l #	61
36) 1,1-Dichloropropene	7.701	75	22816	4.955	ug/l #	52
37) Ethyl Acetate	6.890	43	12916	6.500	ug/l #	69
38) Carbon Tetrachloride	7.707	117	27503	5.661	ug/l #	17
40) Benzene	8.079	78	183825	12.984	ug/l	100
76) 1,2,3-Trichloropropane	12.402	75	121565	55.767	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	121565	140.888	ug/l #	11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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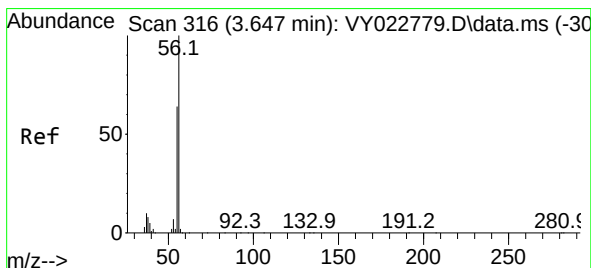
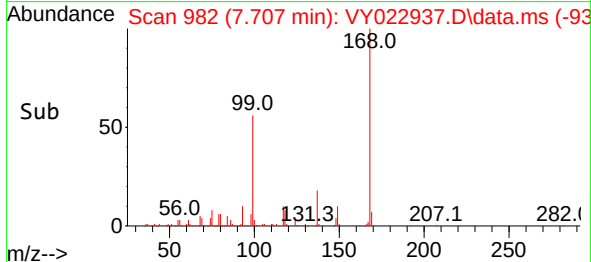
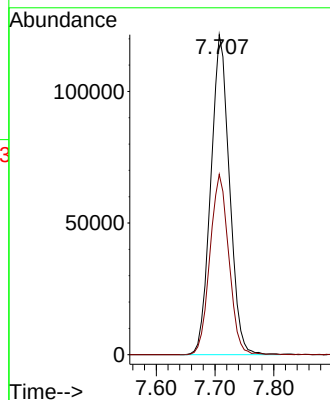
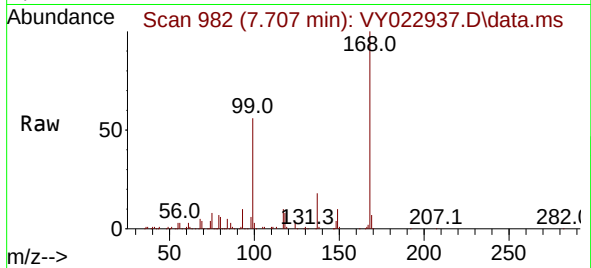




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

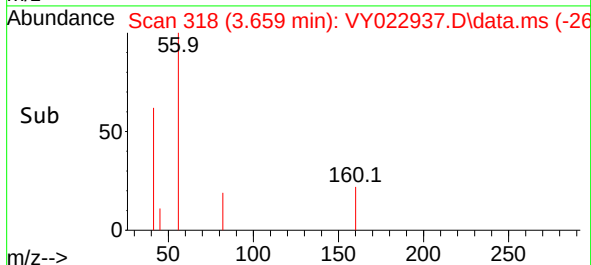
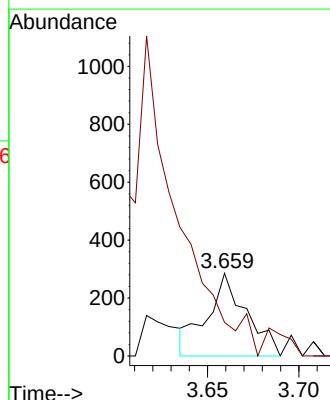
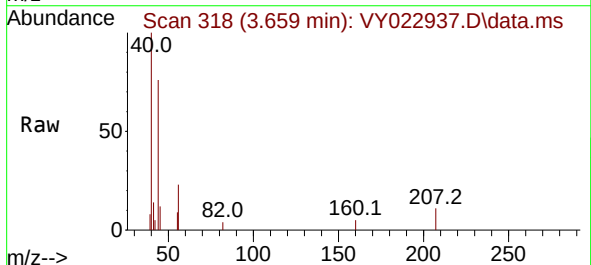
Instrument :
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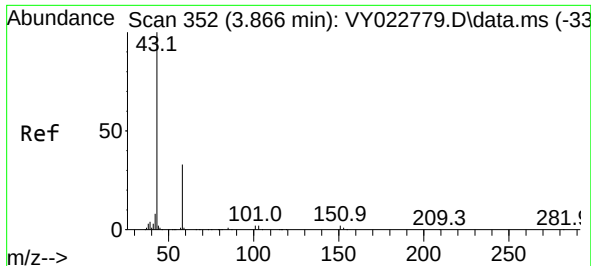
Tgt Ion:168 Resp: 268585
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#13
Acrolein
Concen: 1.569 ug/l
RT: 3.659 min Scan# 318
Delta R.T. -0.000 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

Tgt Ion: 56 Resp: 424
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#

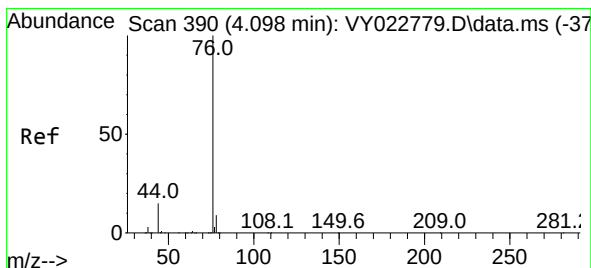
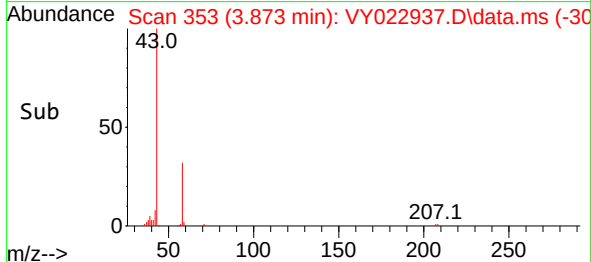
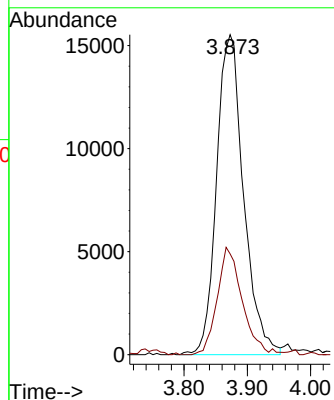
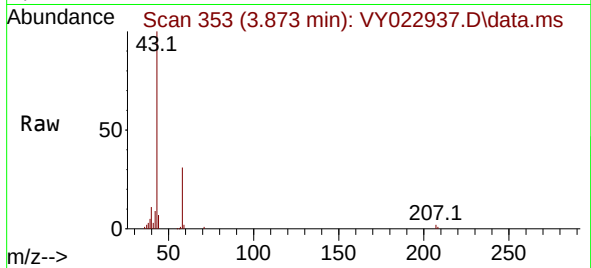




#16
Acetone
Concen: 81.224 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

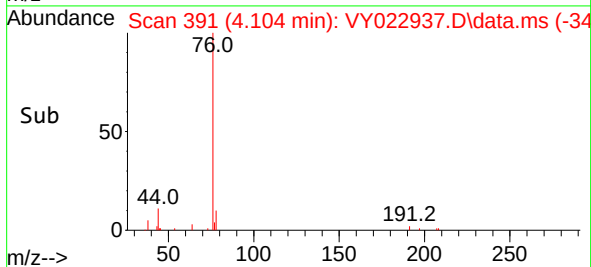
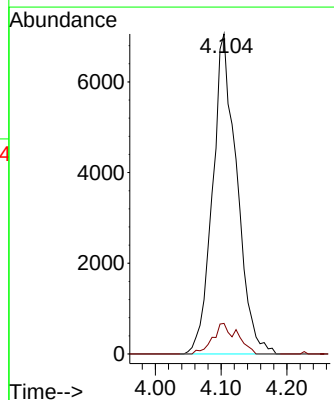
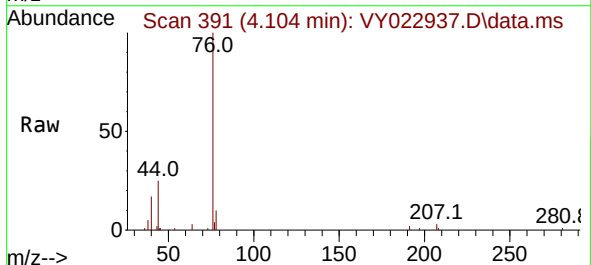
Instrument :
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ClientSampleId :
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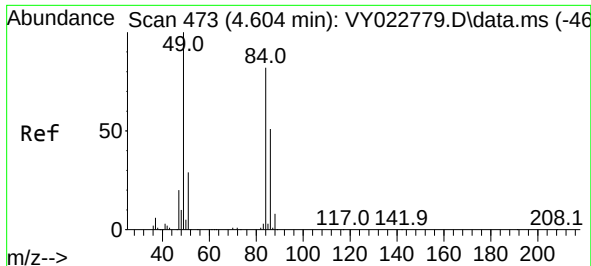
Tgt Ion: 43 Resp: 46020
Ion Ratio Lower Upper
43 100
58 31.5 24.0 36.0



#17
Carbon Disulfide
Concen: 2.061 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

Tgt Ion: 76 Resp: 18098
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2





#20

Methylene Chloride

Concen: 3.419 ug/l

RT: 4.610 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY022937.D

Acq: 03 Jul 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

TP-59

Tgt Ion: 84 Resp: 12233

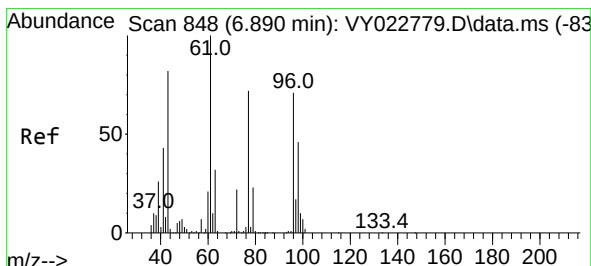
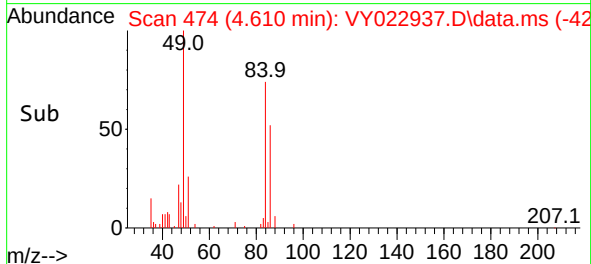
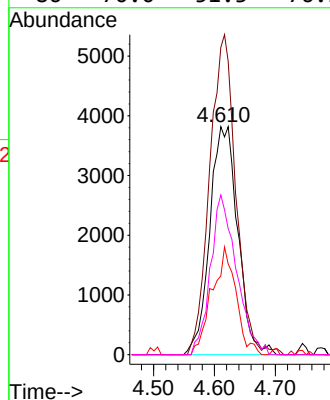
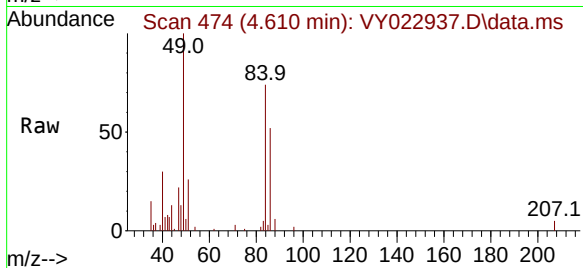
Ion Ratio Lower Upper

84 100

49 134.8 101.9 152.9

51 34.6 29.8 44.8

86 70.0 51.3 76.9



#25

2-Butanone

Concen: 15.663 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.012 min

Lab File: VY022937.D

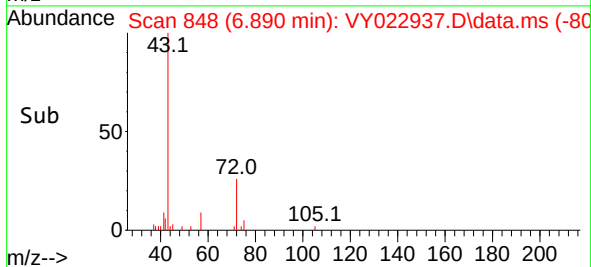
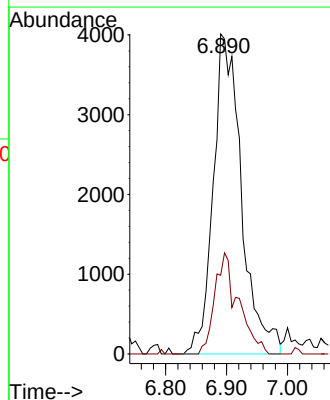
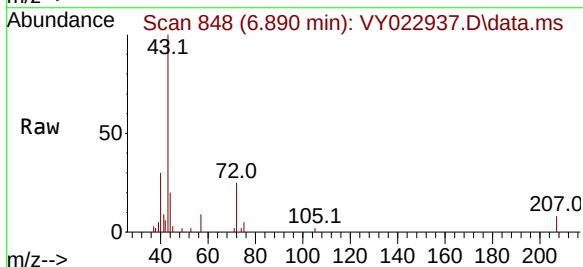
Acq: 03 Jul 2025 13:03

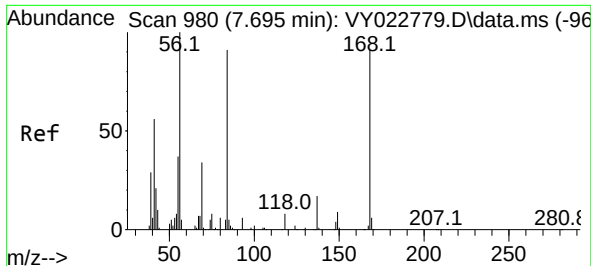
Tgt Ion: 43 Resp: 12916

Ion Ratio Lower Upper

43 100

72 24.6 22.9 34.3

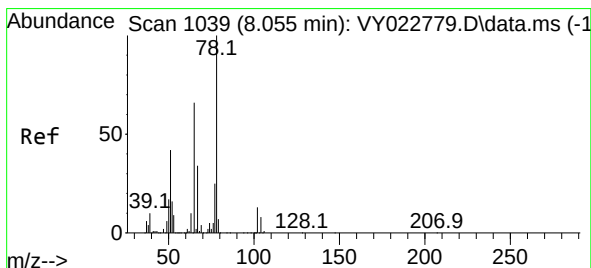
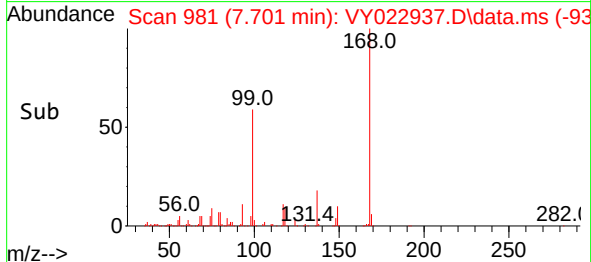
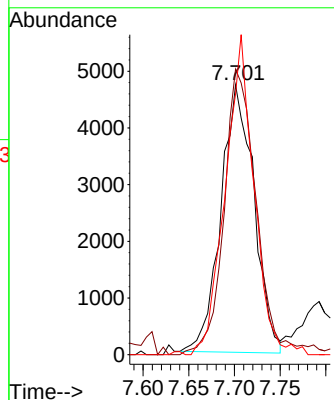
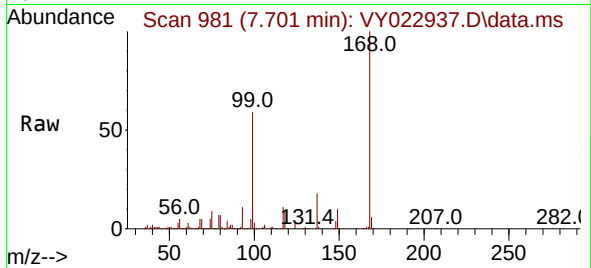




#31
Cyclohexane
Concen: 2.307 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

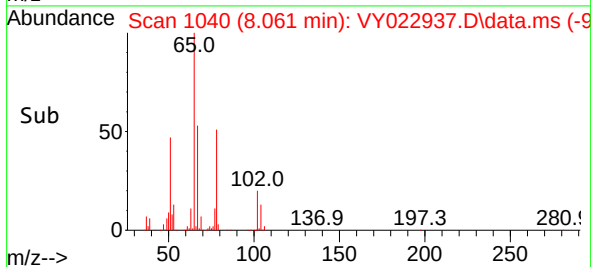
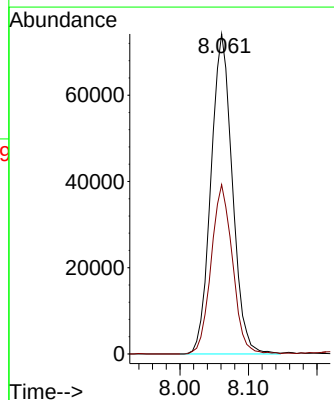
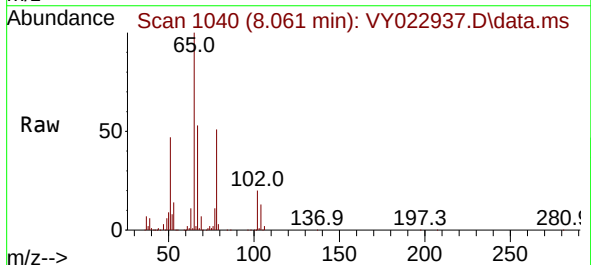
Instrument :
MSVOA_Y
ClientSampleId :
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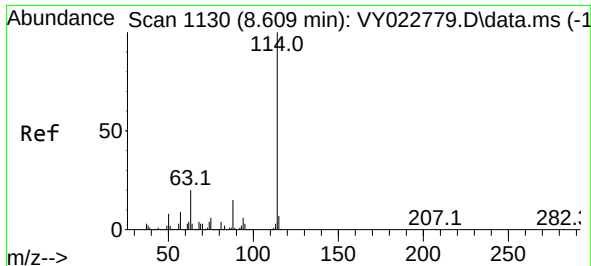
Tgt Ion: 56 Resp: 11878
Ion Ratio Lower Upper
56 100
69 107.2 27.0 40.6#
84 96.8 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 53.712 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

Tgt Ion: 65 Resp: 161010
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4

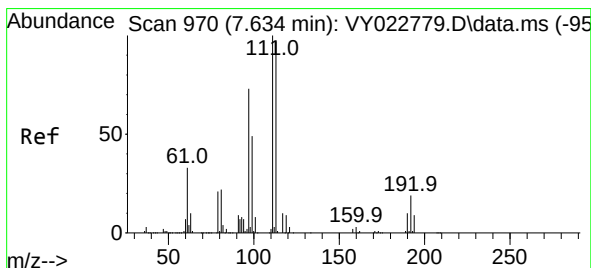
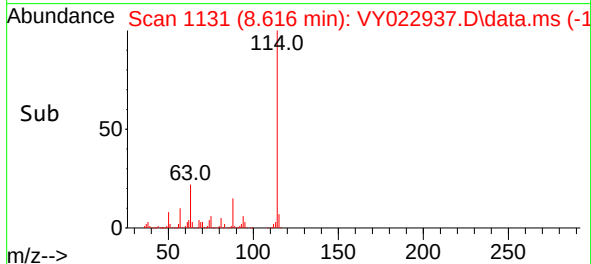
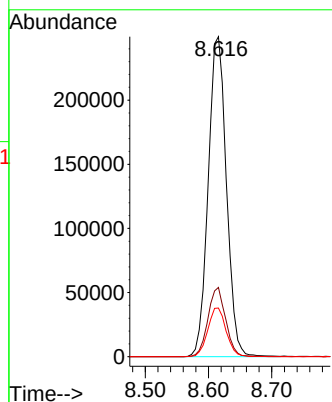
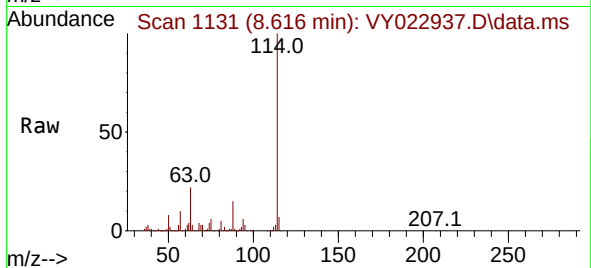




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

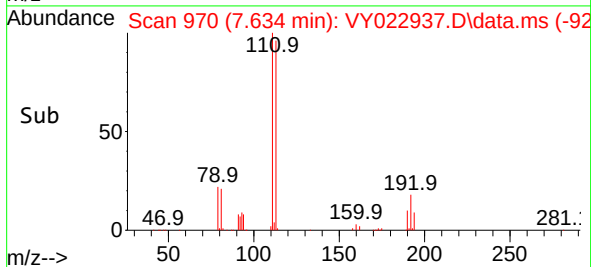
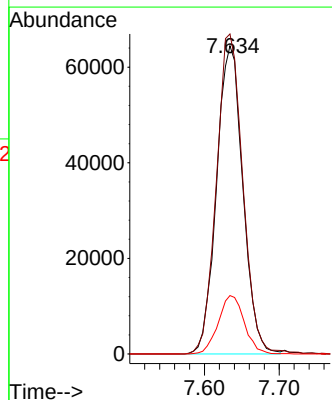
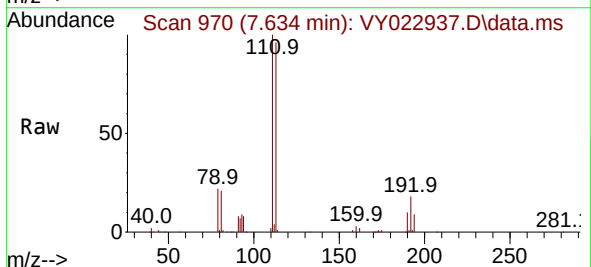
Instrument :
MSVOA_Y
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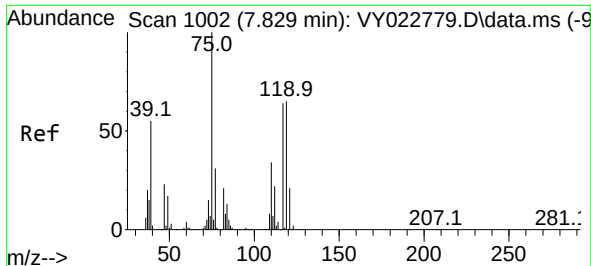
Tgt Ion:114 Resp: 499539
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.8
88 15.2 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.931 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

Tgt Ion:113 Resp: 157764
Ion Ratio Lower Upper
113 100
111 104.5 81.1 121.7
192 18.8 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.955 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY022937.D

Acq: 03 Jul 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

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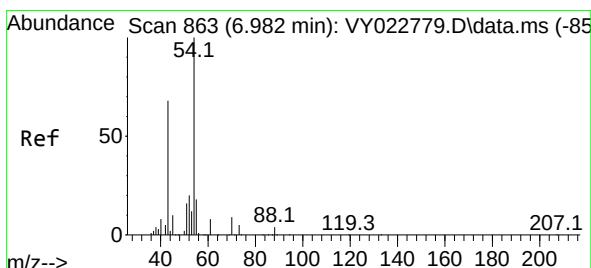
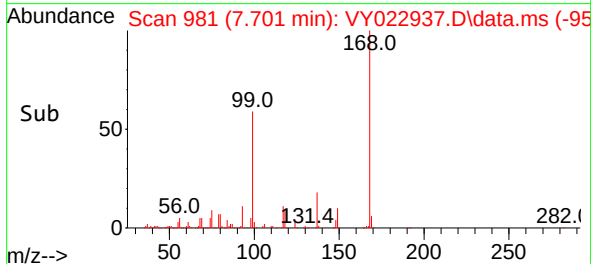
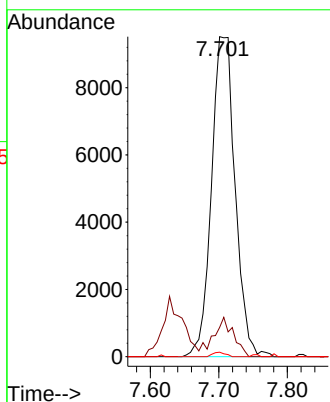
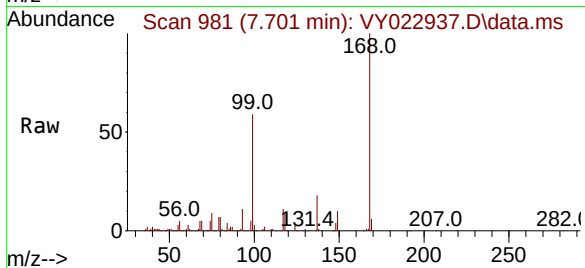
Tgt Ion: 75 Resp: 22816

Ion Ratio Lower Upper

75 100

110 10.4 16.9 50.7#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 6.500 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.104 min

Lab File: VY022937.D

Acq: 03 Jul 2025 13:03

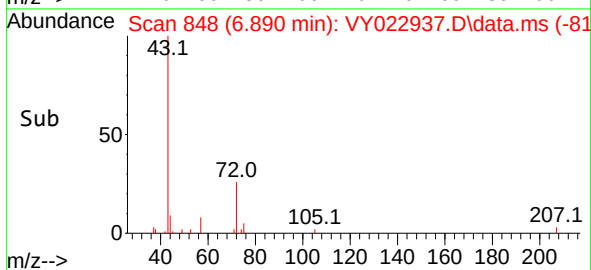
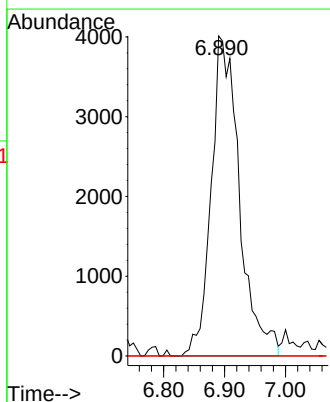
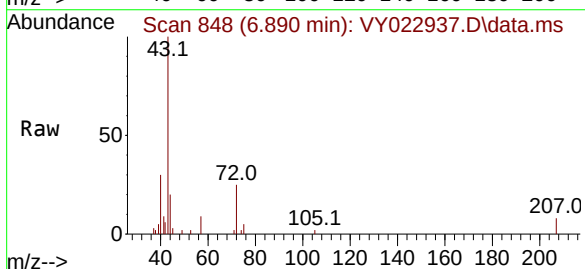
Tgt Ion: 43 Resp: 12916

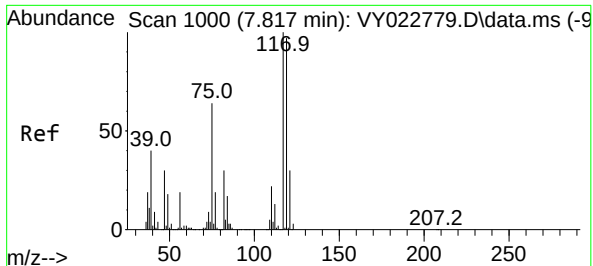
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.2 10.8#

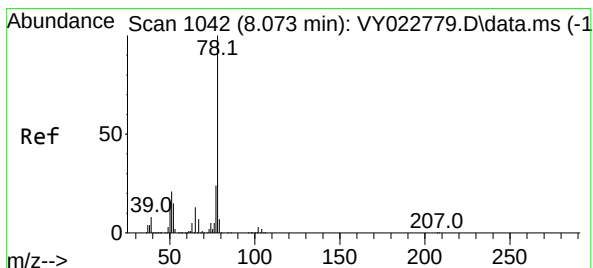
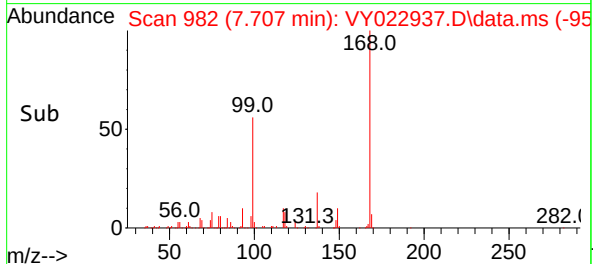
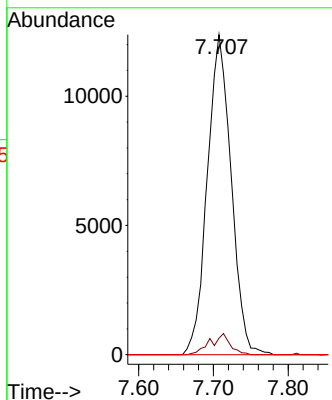
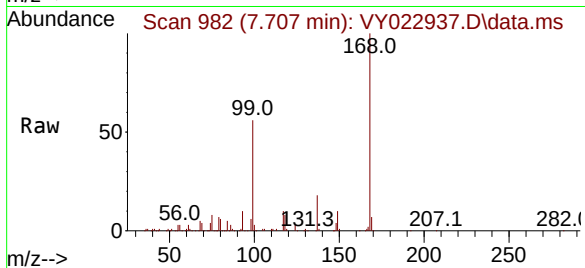




#38
Carbon Tetrachloride
Concen: 5.661 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

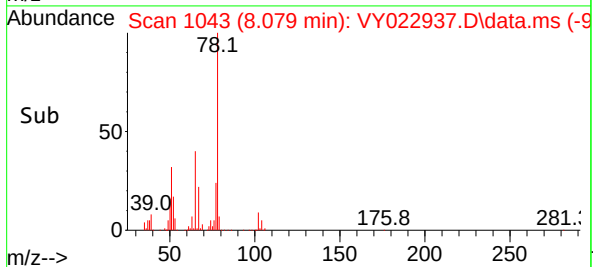
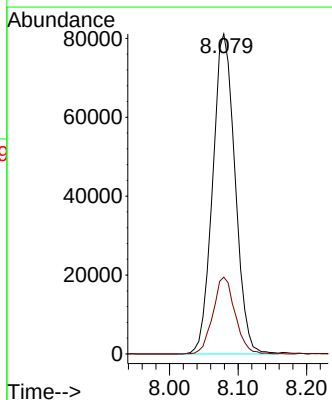
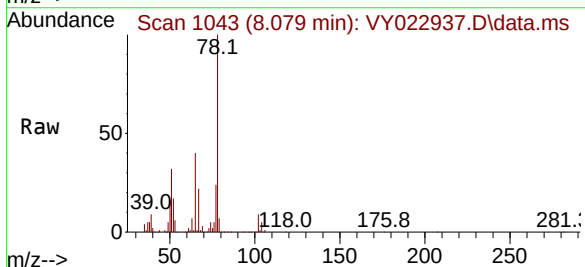
Instrument :
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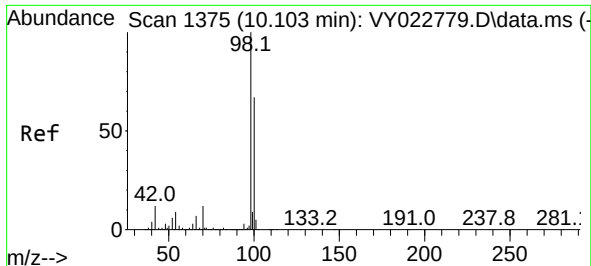
Tgt Ion:117 Resp: 27503
Ion Ratio Lower Upper
117 100
119 5.1 75.0 112.6#
121 0.0 25.0 37.4#



#40
Benzene
Concen: 12.984 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

Tgt Ion: 78 Resp: 183825
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9

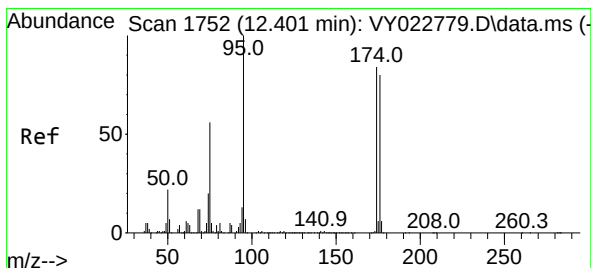
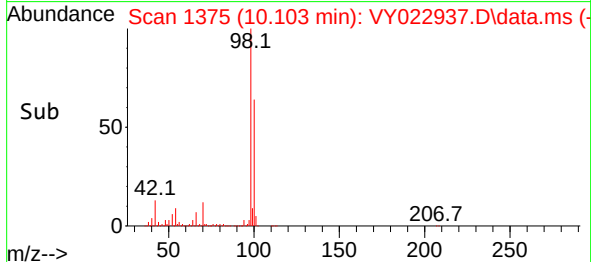
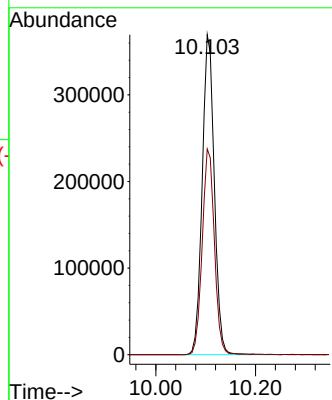
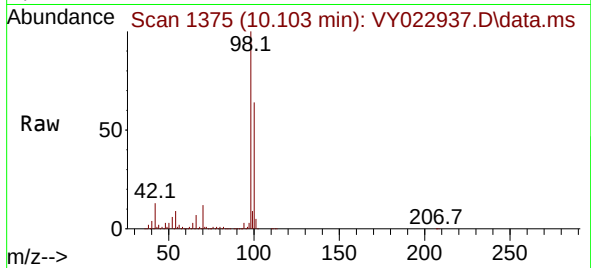




#50
Toluene-d8
Concen: 51.571 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

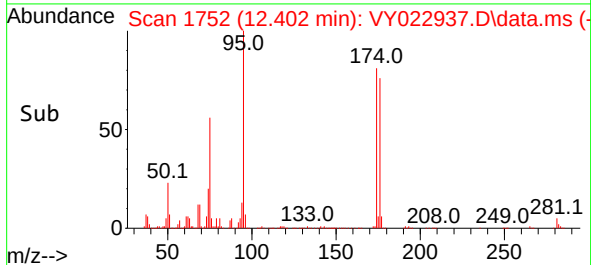
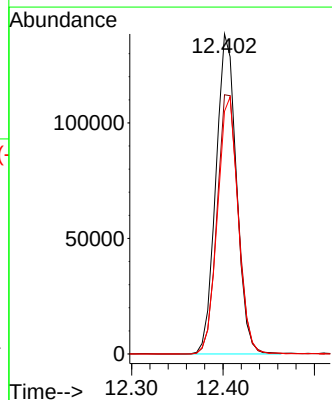
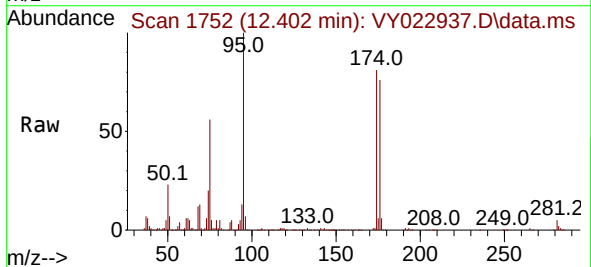
Instrument :
MSVOA_Y
ClientSampleId :
TP-59

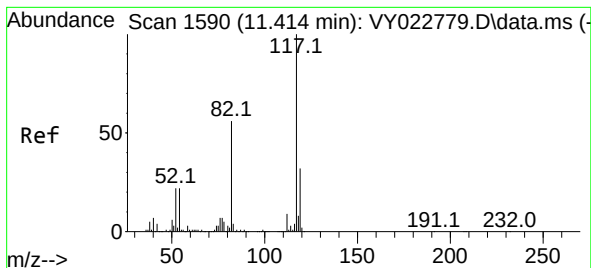
Tgt Ion: 98 Resp: 621695
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 55.834 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

Tgt Ion: 95 Resp: 216375
Ion Ratio Lower Upper
95 100
174 83.6 0.0 170.0
176 80.7 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022937.D

Acq: 03 Jul 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

TP-59

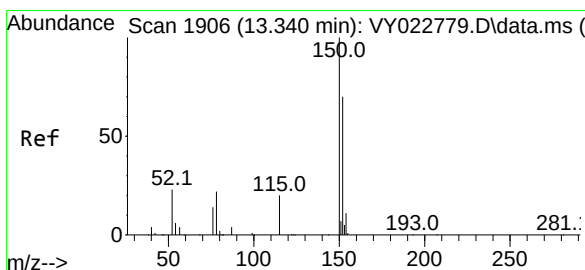
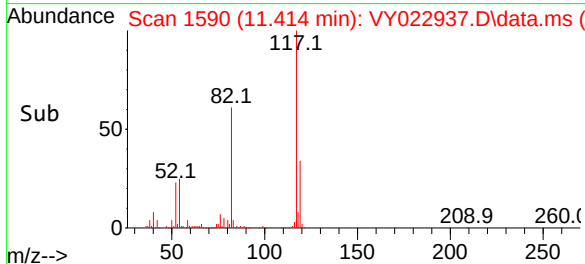
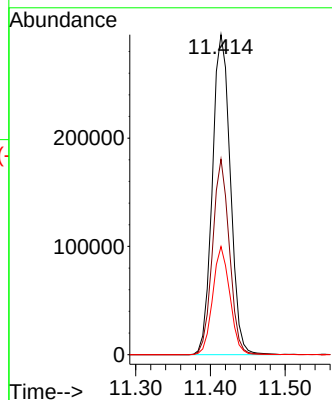
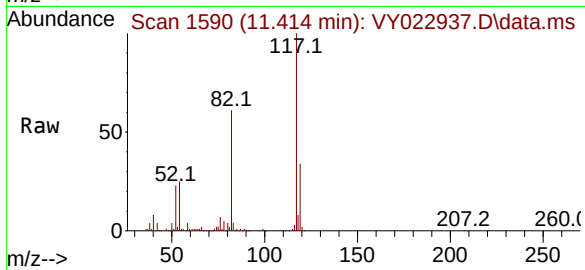
Tgt Ion:117 Resp: 495456

Ion Ratio Lower Upper

117 100

82 61.1 44.6 66.8

119 33.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022937.D

Acq: 03 Jul 2025 13:03

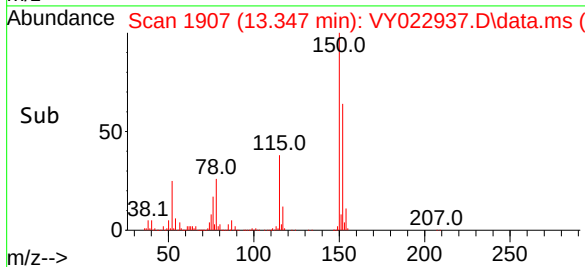
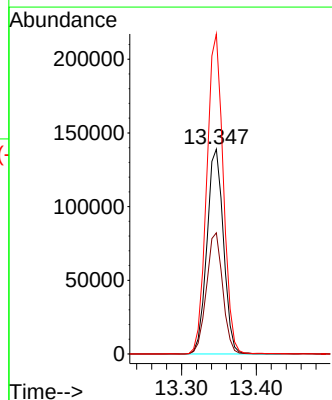
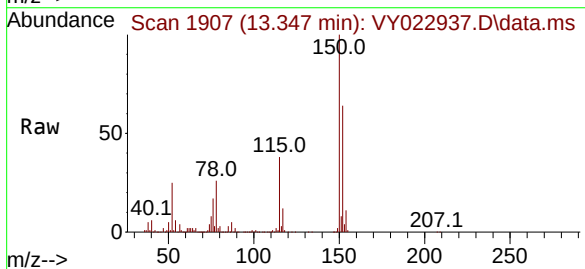
Tgt Ion:152 Resp: 213523

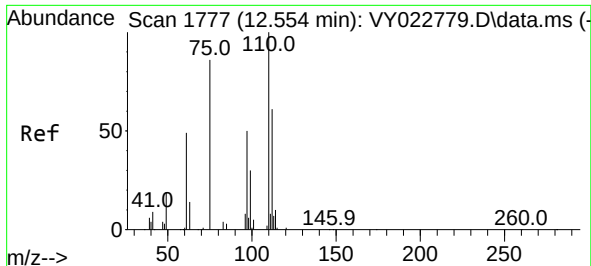
Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

150 156.3 0.0 349.6

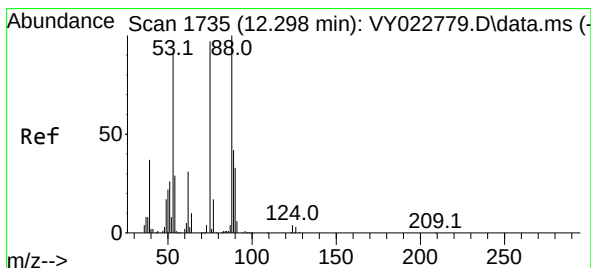
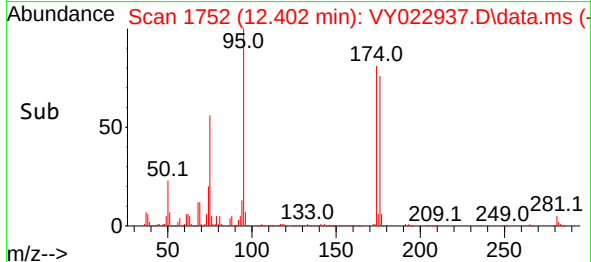
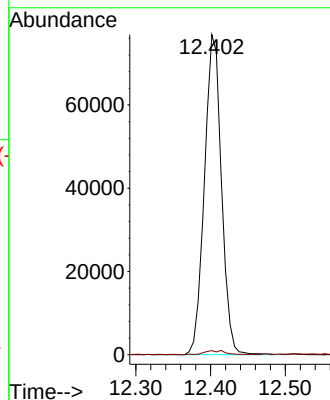
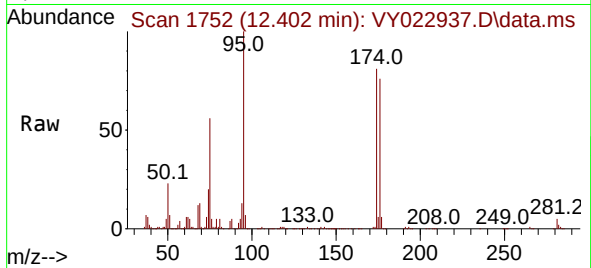




#76
 1,2,3-Trichloropropane
 Concen: 55.767 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022937.D
 Acq: 03 Jul 2025 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-59

Tgt Ion: 75 Resp: 121565
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.888 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.098 min
 Lab File: VY022937.D
 Acq: 03 Jul 2025 13:03

Tgt Ion: 75 Resp: 121565
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.5 117.7#
 89 0.0 35.7 53.5#

